ELSEVIER

Animal Feed Science and Technology
94 (2001) 211–212

ANIMAL FEED SCIENCE AND TECHNOLOGY

www.elsevier.com/locate/anifeedsci

Contents of *Animal Feed Science and Technology*, Volume 94

VOL. 94 NOS. 1–2 **27 NOVEMBER 2001**

The effect of extrusion cooking on mineral bioavailability in pea and kidney bean seed meals
R. Alonso (Pamplona, Spain), L.A. Rubio (Granada, Spain), M. Muzquiz (Madrid, Spain) and F. Marzo (Pamplona, Spain) 1

In sacco degradability, chemical and morphological composition of 15 varieties of European rice straw
A. Agbagla-Dohnani, P. Nozière (St. Genès Champanelle, France), G. Clément (Montpellier, France) and M. Doreau (St. Genès Champanelle, France) 15

Estimating passage kinetics using fibre-bound ^{15}N as an internal marker
P. Huhtanen (Jokioinen, Finland) and A.N. Hristov (Alberta, Canada) 29

Yield and quality of three corn hybrids as affected by broiler litter fertilization and crop maturity
B.R. Moss, D.W. Reeves, J.C. Lin (Auburn, AL, USA), H.A. Torbert (Temple, TX, USA), W.H. McElhenney, P. Mask (Auburn, AL, USA) and W. Kezar (Boise, ID, USA). 43

Threonine and crude protein responses in broiler chicks
M.T. Kidd, P.D. Gerard (Mississippi State, MS, USA), J. Heger (Praha, Czech Republic), B.J. Kerr (Missouri, MO, USA), D. Rowe, K. Sistani (Mississippi State, MS, USA) and D.J. Burnham (Chicago, IL, USA) 57

Use of artificially applied *n*-alkanes as markers for the estimation of digestibility, food selection and intake in pigeons (*Columba livia*)
J.-M. Hatt (Zurich, Switzerland), R.W. Mayes (Aberdeen, UK), M. Clauss (Munich, Germany) and M. Lechner-Doll (Berlin, Germany) 65

Dry matter yield and nutritive value of pea/wheat bi-crops differing in maturity at harvest, pea to wheat ratio and pea variety
M.B. Salawu, A.T. Adesogan, C.N. Weston and S.P. Williams (Wales, UK). 77

Effect of the DVE and OEB value changes of grain legumes (lupin and faba beans) after roasting on the performance of lambs fed a roughage-based diet
P. Yu (Saskatoon, Canada), B.J. Leury, M. Sprague and A.R. Egan (Parkville, Australia) 89

VOL. 94 NOS. 3–4 **13 DECEMBER 2001**

Relative bio-availability of phosphorus from Venezuelan raw rock phosphates for poultry
S. Godoy and C.F. Chicco (Maracay, Venezuela) 103

Urea and biuret as nonprotein nitrogen sources in cooked molasses blocks for steers fed prairie hay
C.A. Löest, E.C. Titgemeyer, J.S. Drouillard, B.D. Lambert and A.M. Trater (Manhattan, KS, USA) 115

Rumen degradability and intestinal indigestibility of individual amino acids in corn gluten meal, canola meal and fish meal determined in situ
O.M. Harstad and E. Prestløkken (Aas, Norway) 127

PII: S0377-8401(01)00335-2

Effect of substitution of soybean meal with treated or untreated high glucosinolate mustard (*Brassica juncea*) meal on intake, digestibility, growth performance and body composition of calves
M.K. Tripathi (Rajasthan, India), I.S. Agrawal, S.D. Sharma and D.P. Mishra (Pantnagar, India). 137
Binding of biotinylated legume seed lectins with glycoproteins in blotted receptor-analogs: influence of incubation pH.
C.J. Van Nevel (Paardenstraat, Belgium), H. De Rycke (Heidestraat, Belgium), S. Beeckmans (Paardenstraat, Belgium), R. De Wilde (Heidestraat, Belgium) and E. Van Driessche (Paardenstraat, Belgium) 147
Relationships between ruminal dry matter and starch disappearance and apparent digestibility of barley grain
P.B. Ramsey, G.W. Mathison and L.A. Goonewardene (Alberta, Canada) 155
The nutritional composition, fermentation characteristics, in sacco degradation and fungal pathogen dynamics of sugarcane tops ensiled with broiler litter with or without water
D.M.N. Mthiyane, I.V. Nsahlai and M.L.K. Bonsi (Scottsville, South Africa). 171

Short communications

The nutritive value for ruminants of lupin seeds from determinate and dwarf determinate plants
A.R. Moss, E.R. Deaville and D.I. Givens (Stratford-on-Avon, UK). 187
The effects of phytase on growth performance, carcass characteristics, and bone mineralization of late-finishing pigs fed maize–soyabean meal diets containing no supplemental phosphorus, zinc, copper and manganese
C.M. Peter, T.M. Parr (Urbana, IL, USA), E.N. Parr, D.M. Webel (Sheridan, IN, USA) and D.H. Baker (Urbana, IL, USA). 199

Book reviews. 207

Contents of *Animal Feed Science and Technology*, Volume 94 211